



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/501,180	05/02/2005	Jurgen Lick	BSSNNP06	2154
49691	7590	01/04/2007		
IP STRATEGIES 12 1/2 WALL STREET SUITE I ASHEVILLE, NC 28801			EXAMINER TRUONG, BAO Q	
			ART UNIT 2875	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			01/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.		Applicant(s)	
	10/501,180		LICK ET AL.	
	Examiner		Art Unit	
	Bao Q. Truong		2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 27-49 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 27-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 July 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/8/2005</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

2. The drawings are objected to because there are no arrows pointing to elements to show where and what they are. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required

corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

3. Claims 34 and 35 are objected to because of the following informalities: "at least one projection device" in lines 1-2 should be changed to --the at least one projection device--. Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 27-49 are rejected under 35 U.S.C. 102(b) as being anticipated by Ockelmann [EP 0 857 647 A1].

Regarding claims 27, 40 and 41 Ockelmann discloses an apparatus for display luminous radiation on a shell [7, 9] of an aircraft [1] having at least one light source [at 15] for producing luminous radiation, at least one projection device [17] for converting the luminous radiation into projectable luminous radiation, the at least one projection device [17] being arranged in the interior of the shell [7, 9] for projecting the luminous radiation through the interior onto the shell [7, 9], the shell being translucent and being visible from the outside, at least one lead-through [at 22, for optical cable 23] being

arranged at the shell [7, 9] of the aircraft [1] for arranging of at least one turret [22], which is translucent and sealed against the interior of the shell [inherently from the cubes 22 in order to transmit light beam from device 17], and the at least one projection device [17] being exchangeably arranged in the at least one turret [22] (figures 1-5, abstract at page 1, page 6 lines 20-31, whole pages 7 and 8).

Regarding claim 28, Ockelmann discloses the at least light source [at 15] being arranged outside the shell [7, 9] in a loading area [12] of the aircraft [1] (figures 1 and 3, page 7 lines 5-17).

Regarding claims 29 and 43, Ockelmann discloses at least one light wave guide [fiber optics 23] being arranged along the shell [7, 9] (figure 3, page 8 lines 17-25).

Regarding claims 30 and 44, Ockelmann discloses at least one further projection device [17] for projecting luminous radiation in arbitrarily definable directions (figures 1, 3 and 4).

Regarding claims 31 and 45, Ockelmann discloses an airship (figure 1).

Regarding claims 32 and 46, Ockelmann discloses a laser light source [at 15] (figures 1 and 3, page 7 lines 14-20, page 9 lines 4-5).

Regarding claims 33 and 42, Ockelmann discloses at least one wave guide [23] for guiding the luminous radiation from the at least light source [at 15] to the at least one projection device [17] (figure 3).

Regarding claim 34, Ockelmann discloses the at least one projecting device [17] for projecting image [18] carrying luminous radiation (figures 1-4, page 7 lines 14-31, page 8 lines 1-4).

Regarding claim 35, Ockelmann discloses the at least one projection device [17] for projecting effect light (for an image, page 7 lines 14-31, page 8 lines 1-4).

Regarding claims 36, 37, 47 and 48, Ockelmann discloses the at least one projection device [17] for projecting spatial/moving pictures (page 7 lines 24-31, page 8 lines 1-4).

Regarding claim 38, Ockelmann discloses at least one light source [a laser bank, at 15] being housed in at least one projection device [15] (page 7 lines 14-20).

Regarding claims 39 and 49, Ockelmann discloses the at least one projection device for projecting image [18, 24] carrying luminous radiation which is simultaneous with external events [pictorial representations, advertising programs] (page 8 lines 1-4).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lee et al. [WO 99/54863] discloses element 5 sealed with a lens (figure 1, page 5 lines 20-22).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Truong whose telephone number is (571) 272-2383. The examiner can normally be reached on Monday-Friday (8:00 AM - 4:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bao Q. Truong
Examiner
Art Unit 2875



Sandra O'Shea
Supervisory Patent Examiner
Technology Center 2800